

10/687,689
CA struc search of Formula 2-3

(FILE 'HOME' ENTERED AT 20:05:08 ON 26 JUL 2005)

FILE 'REGISTRY' ENTERED AT 20:05:55 ON 26 JUL 2005

L1	STRUCTURE UPLOADED
L2	STRUCTURE UPLOADED
L3	STRUCTURE UPLOADED
L4	STRUCTURE UPLOADED
L5	STRUCTURE UPLOADED
L6	0 S L1 FULL
L7	0 S L2 FULL
L8	0 S L3 FULL
L9	0 S L4 FULL
L10	STRUCTURE UPLOADED
L11	STRUCTURE UPLOADED
L12	STRUCTURE UPLOADED
L13	STRUCTURE UPLOADED
L14	10 S L10 FULL
L15	12 S L11 FULL
L16	8 S L12 FULL
L17	11 S L13 FULL

FILE 'CAPLUS' ENTERED AT 20:32:31 ON 26 JUL 2005

L18	7 S L14
L19	11 S L15
L20	7 S L16
L21	9 S L17
L22	4 S (PHOTORESIST OR PHOTOSENSITIVE) AND (L18 OR L19 OR L20 OR L21

=>

NO psc

w/(P), PI, Eum

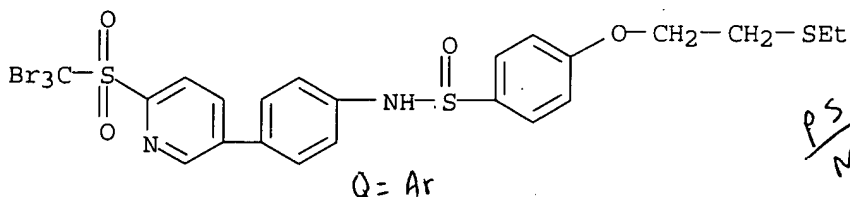
L22 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2002:176238 CAPLUS
 DN 136:239142
 TI Heat-developable photographic films having antifogging and storage stable properties
 IN Hanyu, Takeshi; Nishiwaki, Kuni; Wada, Yasunori; Mitsunashi, Takeshi
 PA Konica Co., Japan
 SO Jpn. Kokai Tokkyo Koho, 20 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002072407	A2	20020312	JP 2000-266874	20000904
PRAI	JP 2000-266874		20000904		
OS	MARPAT 136:239142				

AB The film consists of a support having a **photosensitive** layer containing Ag halide particles, organic Ag salts, reducing agents, and binders; a layer neighboring the **photosensitive** layer; a backing layer; and a protective layer for the backing layer. In the film, the **photosensitive** layer or its neighboring layer contains 1H-indazole derivs. having substitution groups (excluding nitro group) at positions 4-7, and optionally contain phthalazine and/or polyhalomethane derivs. as well. Preferable Markush I (R1 = halogen, cyano, OH, substituted oxy, substituted amino, aromatic, heterocycle, (un)substituted C1-60 alkyl, alkenyl, or alkynyl; n = integer of 1-4; R1 may form a ring when n ≥ 2 and when neighboring) for the indazole derivative is given.

IT **363179-82-2**
 RL: MOA (Modifier or additive use); TEM (Technical or engineered material use); USES (Uses)
 (additive for storage stability; addition of indazole derivs. in heat-developable photog. films for antifogging and storage-stable properties)

RN 363179-82-2 CAPLUS
 CN Benzenesulfinamide, 4-[2-(ethylthio)ethoxy]-N-[4-[6-[(tribromomethyl)sulfonyl]-3-pyridinyl]phenyl]- (9CI) (CA INDEX NAME)



Ag Chem No

PS
M, PL
Ⓢ

L22 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN
 AN 2001:726586 CAPLUS
 DN 135:280591
 TI Photothermographic material using binder hardened with specific hardener and its development
 IN Hanyu, Takeshi; Usakawa, Yasushi
 PA Konica Co., Japan
 SO Jpn. Kokai Tokkyo Koho, 28 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
--	------------	------	------	-----------------	------

PI JP 2001272751 A2 20011005 JP 2000-88777 20000328
 PRAI JP 2000-88777 20000328

OS MARPAT 135:280591

AB The material comprises a support having thereon (A) a **photosensitive** layer containing a **photosensitive** Ag halide, a reducing agent, and a binder and (B) a protective layer containing a fluorine compound, a matting agent, and a binder, in which the binder of the **photosensitive** or the protective layer is hardened with the hardener I or II [Z1, Z2 = atoms required to form a (substituted) 5- or 6-membered ring; L1 = bivalent linkage to link Z1 to Z2; m = 0, 1; upon m = 1, n = 0, 1]. It is developed at 80-120° by a heated drum or roller on which silicone rubber surface containing an iron oxide having 20-90 hardness (defined by A hardness measured by a durometer) and unevenness with 0.5-8 μm depth and 10-1000 number per/mm.. It shows improved abrasion resistance and improved printout and dirt prevention.

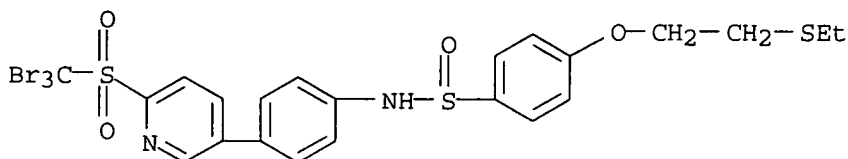
IT 363179-82-2 363179-83-3

RL: DEV (Device component use); MOA (Modifier or additive use); USES (Uses)

(photothermog. material containing polyhalomethane compound)

RN 363179-82-2 CAPLUS

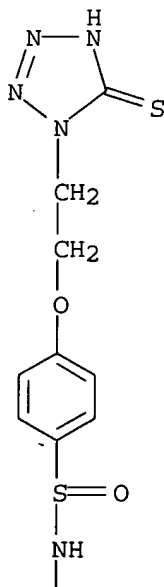
CN Benzenesulfinamide, 4-[2-(ethylthio)ethoxy]-N-[4-[6-[(tribromomethyl)sulfonyl]-3-pyridinyl]phenyl]- (9CI) (CA INDEX NAME)



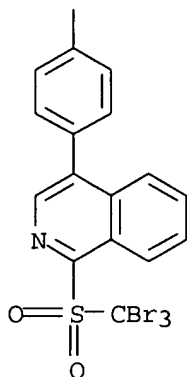
RN 363179-83-3 CAPLUS

CN Benzenesulfinamide, 4-[2-(2,5-dihydro-5-thioxo-1H-tetrazol-1-yl)ethoxy]-N-[4-[1-[(tribromomethyl)sulfonyl]-4-isoquinolinyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



Agg chem
NO



L22 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:705173 CAPLUS

DN 133:288774

TI Heat-developable **photosensitive** material

IN Goto, Takahiro; Ezoe, Toshihide; Suzuki, Hiroyuki; Sakai, Minoru; Maeda, Hideki; Inoue, Nobuaki; Takasaki, Masaru

PA Fuji Photo Film Co., Ltd., Japan

SO Eur. Pat. Appl., 110 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 1041434	A1	20001004	EP 2000-106072	20000330
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2000284408	A2	20001013	JP 1999-88496	19990330
	JP 2000284402	A2	20001013	JP 1999-89709	19990330
	JP 2000284413	A2	20001013	JP 1999-90126	19990330
	JP 2000284405	A2	20001013	JP 1999-90152	19990330
	US 6344313	B1	20020205	US 2000-538727	20000330
PRAI	JP 1999-88496	A	19990330		
	JP 1999-89709	A	19990330		
	JP 1999-90126	A	19990330		
	JP 1999-90152	A	19990330		

OS MARPAT 133:288774

AB An object of the present invention is to provide a heat-developable **photosensitive** material of improved fluctuation of photog. performance (sensitivity, Dmin) arisen from fluctuation of development temperature condition (temperature, time) and storage time after heat development.

According to the present invention, there is provided a heat-developable **photosensitive** material, wherein the **photosensitive** material comprises, on a support, an image-forming layer containing at least (a) non-**photosensitive** organic silver salt, (b) **photosensitive** silver halide, (c) a reducing agent, and (d) a binder, and a protective layer on the image-forming layer, polymer latexes are used as binders of the image-forming layer and the protective layer, and the **photosensitive** material further comprises, on the image-forming layer side, (e) a nucleating agent and (f) one or more compds. represented by formula I (Z1, Z2 = a halogen atom; X1 = H, an electron withdrawing group; Y1 = -CO- group or -SO2- group; Q = an arylene

*Ag chem
no elem*

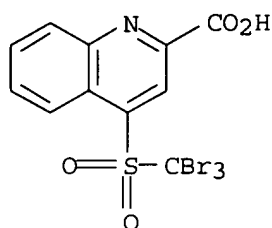
group which may have a substituent or a divalent heterocyclic group which may have a substituent; L = a linking group; W = carboxyl group or a salt thereof, sulfo group or a salt thereof, phosphoric acid group, hydroxyl group, a quaternary ammonium group, or a polyethyleneoxy group; n = 0, 1).

IT 299446-62-1

RL: TEM (Technical or engineered material use); USES (Uses)
(heat developable **photosensitive** material)

RN 299446-62-1 CAPLUS

CN 2-Quinolinecarboxylic acid, 4-[(tribromomethyl)sulfonyl]- (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

AN 2000:20335 CAPLUS

DN 132:71406

TI Heat-sensitive image recording material and heat development
photosensitive image recording material

IN Fujiwara, Yoshinori; Inoue, Rikio

PA Fuji Photo Film Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 28 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000002963	A2	20000107	JP 1998-181459	19980612
	US 2002015926	A1	20020207	US 1999-330195	19990611
	US 6468730	B2	20021022		
PRAI	JP 1998-181459	A	19980612		

OS MARPAT 132:71406

NO EXM

AB The former material has layers containing a nonphotosensitive organic Ag salt, its reducing agent, and a binder on a support, in which at least one of the layers contains a compound X1X2X3CYLZ (X1, 2 = halogen; X3 = H, halogen, monovalent substituent; L = divalent organic group; Y = heteroatom-containing divalent organic group, single bond; Z = acidic functional group, its salt). The latter material has layers containing a **photosensitive** Ag halide salt, a binder, and the compound on a support. The material gives good images with excellent storage stability.

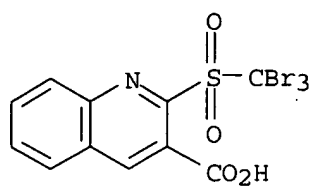
IT 253143-90-7

RL: DEV (Device component use); MOA (Modifier or additive use); USES
(Uses)

(thermal printing or heat development image recording material having halogen-containing organic compound)

RN 253143-90-7 CAPLUS

CN 3-Quinolinecarboxylic acid, 2-[(tribromomethyl)sulfonyl]- (9CI) (CA INDEX NAME)



=>